

1 **ABSTRACT**

2 By understanding a website author's intention through an analysis of the
3 *function* of a website, website content can be adapted for presentation or rendering
4 in a manner that more closely appreciates and respects the function behind the
5 website. Various inventive systems and methods analyze a website's function so
6 that its content can be adapted to different client environments, e.g. devices,
7 network conditions, or user preferences. A novel function-based object model
8 automatically identifies objects associated with a website, and analyzes those
9 objects in terms of their functions. The function-based object model permits
10 consistent, informed decisions to be made in the adaptation process, so that web
11 content is displayed not only in an organized manner, but in a manner that reflects
12 the author's intention.
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